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SEQUENCE LISTING

## (1) GENERAL INFORMATION:

70710

(i) APPLICANT: Andrew C. Hiatt  
Floyd Rose

5 (ii) TITLE OF INVENTION: COMPOSITIONS FOR  
ENZYME CATALYZED  
10 TEMPLATE-  
INDEPENDENT CREATION  
OF PHOSPHODIESTER  
BONDS USING PROTECTED  
NUCLEOTIDES

(iii) NUMBER OF SEQUENCES: 8

(iv) CORRESPONDENCE ADDRESS:

15 (A) ADDRESSEE: Lyon & Lyon  
(B) STREET: 633 West Fifth Street  
Suite 4700  
(C) CITY: Los Angeles  
(D) STATE: California  
(E) COUNTRY: U.S.A.  
20 (F) ZIP: 90071

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
storage  
(B) COMPUTER: IBM Compatible  
25 (C) OPERATING SYSTEM: IBM P.C. DOS 5.0  
(D) SOFTWARE: Word Perfect 5.1

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:  
(B) FILING DATE:  
30 (C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

Prior applications total,  
including application  
described below:

35 (viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Guise, Jeffrey W.  
(B) REGISTRATION NUMBER: 34,613

71

(C) REFERENCE/DOCKET NUMBER: 207/145

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE:	(619) 552-8400
(B) TELEFAX:	(619) 552-0159
(C) TELEX:	67-3510

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## (2) INFORMATION FOR SEQ ID NO: 1:

## (i) SEQUENCE CHARACTERISTICS:

5 (A) LENGTH: 12  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

## (ix) Features:

10 (D) Other Information: base number 12 is  
m7g

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

CCCCCCCCCG CG 12

## 15 (2) INFORMATION FOR SEQ ID NO: 2:

## (i) SEQUENCE CHARACTERISTICS:

20 (A) LENGTH: 19  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

## (ii) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

25 CCCCCCCCCC CCCCCTGCA 19

## (2) INFORMATION FOR SEQ ID NO: 3:

## (i) SEQUENCE CHARACTERISTICS:

30 (A) LENGTH: 20  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

## 35 (ii) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

CTGCAGGGGG GGGGGGGGGG 20

## (2) INFORMATION FOR SEQ ID NO: 4:

## (i) SEQUENCE CHARACTERISTICS:

5 (A) LENGTH: 9  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

## (ii) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

10 CCCCCCCCC

9

## (2) INFORMATION FOR SEQ ID NO: 5:

## (i) SEQUENCE CHARACTERISTICS:

15 (A) LENGTH: 9  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

## (ii) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

20 GGGGGGGGG

9

## (2) INFORMATION FOR SEQ ID NO: 6:

## (i) SEQUENCE CHARACTERISTICS:

25 (A) LENGTH: 5  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

## (ii) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

30 CTGCA

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## (2) INFORMATION FOR SEQ ID NO: 7:

## (i) SEQUENCE CHARACTERISTICS:

35 (A) LENGTH: 9  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

## (ii) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

CTGCATGCA

9

(2) INFORMATION FOR SEQ ID NO: 8:

(i) SEQUENCE CHARACTERISTICS:

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(A)	LENGTH:	10
(B)	TYPE:	nucleic acid
(C)	STRANDEDNESS:	single
(D)	TOPOLOGY:	linear

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(ii) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

CTGCATGCAG

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